

Amendments to the Claims

This listing of claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1-21. (Cancelled)

22. (Currently Amended) A film formation method in a film formation chamber, comprising the step of:

simultaneously operating first evaporation means and second evaporation means in the film formation chamber; and [[,]]

activating a first organic compound evaporated using the first evaporation means and a second organic compound evaporated using the second evaporation means by irradiating the first organic compound and the second organic compound with light,

~~wherein the first evaporation means comprises a first plurality of evaporation sources and the second evaporation means comprises a second plurality of evaporation sources,~~

wherein a surface of an inner wall of the film formation chamber is electrolytic-polished, and

wherein the film formation chamber is connected with first exhaust means and second exhaust means.

23-24. (Cancelled)

25. (Currently Amended) A film formation method in a film formation chamber, comprising the step of:

simultaneously operating first evaporation means and second evaporation means in the film formation chamber; and [[,]]

activating a first organic compound evaporated using the first evaporation means and a second organic compound evaporated using the second evaporation means by irradiating the first organic compound and the second organic compound with light,

~~wherein the first evaporation means comprises a first plurality of evaporation sources and the second evaporation means comprises a second plurality of evaporation sources,~~

wherein a surface of an inner wall of the film formation chamber is electrolytic-polished and an average surface roughness of the surface of the inner wall is 5 nm or less, and

wherein the film formation chamber is connected with a cryopump and a dry pump.

26-27. (Cancelled)

28. (Currently Amended) A film formation method comprising the steps of:

vapor-depositing a first plural kinds of organic compounds simultaneously and successively changing a concentration of each of the first plural kinds of organic compounds to form a first organic compound film in a first film formation chamber which includes a plurality of evaporation sources;

vapor-depositing a second plural kinds of organic compounds simultaneously and successively changing a concentration of each of the second plural kinds of organic compounds to form a second organic compound film in a second film formation chamber which includes a plurality of evaporation sources; and

vapor-depositing a third plural kinds of organic compounds simultaneously and successively changing a concentration of each of the third plural kinds of organic compounds to form a third organic compound film in a third film formation chamber which includes a plurality of evaporation sources,

wherein the first organic compound film, the second organic compound film, and the third organic compound film exhibit light emission of different colors.

29. (Currently Amended) A film formation method comprising the steps of:

vapor-depositing a first plural kinds of organic compounds simultaneously and successively changing a concentration of each of the first plural kinds of organic compounds to form a first organic compound film in a first film formation chamber which includes a plurality of evaporation sources;

vapor-depositing a second plural kinds of organic compounds simultaneously and successively changing a concentration of each of the second plural kinds of organic compounds to form a second organic compound film in a second film formation chamber which includes a plurality of evaporation sources; and

vapor-depositing a third plural kinds of organic compounds simultaneously and successively changing a concentration of each of the third plural kinds of organic compounds to form a third organic compound film in a third film formation chamber which includes a plurality of evaporation sources,

wherein the first organic compound film, the second organic compound film, and the third organic compound film exhibit light emission of different colors, and

wherein a surface of an inner wall of each of the first film formation chamber, the second film formation chamber, and the third film formation chamber is electrolytic-polished.

30. (Original) A film formation method according to claim 29, wherein an average surface roughness of the surface of the inner wall in the first film formation chamber, the second film formation chamber, and the third film formation chamber is 5 nm or less.

31. (Currently Amended) A film formation method according claim 28,  
wherein the first plural kinds of organic compounds includes at least a first organic compound and a second organic compound, and

wherein, in the [[same]] first film formation chamber, a first functional region comprising [[a]] the first organic compound is formed and a second functional region comprising [[a]] the second organic compound is formed.

32. (Currently Amended) A film formation method according claim 29,

wherein the first plural kinds of organic compounds includes at least a first organic compound and a second organic compound, and

wherein, in the [[same]] first film formation chamber, a first functional region comprising [[a]] the first organic compound is formed and a second functional region comprising [[a]] the second organic compound is formed.

33. (Original) A film formation method according to claim 31, wherein a mixed region comprising the first organic compound and the second organic compound is formed in an interface between the first functional region and the second functional region.

34. (Original) A film formation method according to claim 32, wherein a mixed region comprising the first organic compound and the second organic compound is formed in an interface between the first functional region and the second functional region.

35. (Original) A film formation method according to claim 31, wherein each of the first organic compound and the second organic compound is an organic compound comprising one of a hole injection property, a hole transport property, an emitting property, a blocking property, an electron transport property, and an electron injection property, and the first and second organic compounds are formed of different organic compounds.

36. (Original) A film formation method according to claim 32, wherein each of the first organic compound and the second organic compound is an organic compound comprising one of a hole injection property, a hole transport property, an emitting property, a blocking property, an electron transport property, and an electron injection property, and the first and second organic compounds are formed of different organic compounds.

37. (Original) A film formation method according to claim 31, wherein a second mixed region comprising the second organic compound and a third organic compound is formed in a part of the second functional region.

38. (Original) A film formation method according to claim 32, wherein a second mixed region comprising the second organic compound and a third organic compound is formed in a part of the second functional region.

39. (Currently Amended) A film formation method according to claim 37, wherein the third organic compound is an organic compound with a light emitting property, and the first, second, and third organic compounds are formed of different organic compounds.

40. (Currently Amended) A film formation method according to claim 38, wherein the third organic compound is an organic compound with a light emitting property, and the first, second, and third organic compounds are formed of different organic compounds.

41. (Original) A film formation method according to of claim 31, wherein the first functional region comprises an organic compound with a hole transport property, and the second functional region comprises an organic compound with an electron transport property.

42. (Original) A film formation method according to of claim 32, wherein the first functional region comprises an organic compound with a hole transport property, and the second functional region comprises an organic compound with an electron transport property.

43. (Original) A film formation method according to claim 35, wherein an aromatic diamine compound is used as the organic compound with the hole transport property.

44. (Original) A film formation method according to claim 36, wherein an aromatic diamine compound is used as the organic compound with the hole transport property.

45. (Original) A film formation method according to claim 35, wherein one of a metallic complex including quinoline skeleton, a metallic complex including benzoquinoline skeleton, an

oxadiazole derivative, a triazole derivative, and a phenanthroline derivative is used as the organic compound with the electron transport property.

46. (Original) A film formation method according to claim 36, wherein one of a metallic complex including quinoline skeleton, a metallic complex including benzoquinoline skeleton, an oxadiazole derivative, a triazole derivative, and a phenanthroline derivative is used as the organic compound with the electron transport property.

47. (Currently Amended) A film formation method according to claim 35, wherein a metallic complex including quinoline skeleton, a metallic complex including benzoxazole skeleton, or a metallic complex including benzothiazole skeleton is used as the organic compound with the [[light]] emitting property.

48. (Currently Amended) A film formation method according to claim 36, wherein a metallic complex including quinoline skeleton, a metallic complex including benzoxazole skeleton, or a metallic complex including benzothiazole skeleton is used as the organic compound with the [[light]] emitting property.

49. (Currently Amended) A film formation method comprising the steps of:  
vapor-depositing a first plural kinds of organic compounds simultaneously and successively changing a concentration of each of the first plural kinds of organic compounds to form a first organic compound film over a substrate in a first film formation unit which includes a plurality of evaporation sources;

vapor-depositing a second plural kinds of organic compounds simultaneously and successively changing a concentration of each of the second plural kinds of organic compounds to form a second organic compound film over the substrate in a second film formation unit which includes a plurality of evaporation sources; and

vapor-depositing a third plural kinds of organic compounds simultaneously and successively changing a concentration of each of the third plural kinds of organic compounds to

form a third organic compound film over the substrate in a third film formation unit which includes a plurality of evaporation sources,

wherein the first organic compound film, the second organic compound film, and the third organic compound film exhibit light emission of different colors.

50. (Currently Amended) A film formation method according to claim 49, wherein the substrate is transferred with a holder to the second film formation unit from the first film formation unit through [[an]] a first alignment unit after forming the first organic compound film and before forming the second organic compound film.

51. (Currently Amended) A film formation method according to claim 50, wherein the substrate is transferred with the holder to the third film formation unit from the second film formation unit through [[an]] a second alignment unit after forming the second organic compound film and before forming the third organic compound film.

52. (New) A film formation method according to claim 22, wherein the first organic compound and the second organic compound are different from each other.

53. (New) A film formation method according to claim 25, wherein the first organic compound and the second organic compound are different from each other.

54. (New) A film formation method according to claim 22, wherein the light is infrared light.

55. (New) A film formation method according to claim 25, wherein the light is infrared light.